

06-JUN-2012 16:32
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T.I.P.: U-3810

CONTRACT: C202887

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ONSLOW COUNTY**

**LOCATION: SR 1406 (PINY GREEN ROAD) FROM US 17
(MARINE BOULEVARD) TO NC 24 (FREEDOM WAY)**

TIP NO. U-3810	SHEET NO. PMP-1
APPROVED: <i>[Signature]</i>	
DATE: 6/17/12	
SEAL	

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
PINY GREEN ROAD AND Y LINES	THERMOPLASTIC	SNOWPLOWABLE
BRIDGE DECK	POLYUREA W/HIGH REFLECTIVE ELEMENTS	RAISED
- TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- PASSING ZONE WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.

Pavement Marking Schedule

SYMBOL	DESCRIPTION
FINAL	
PAVEMENT MARKINGS	
THERMOPLASTIC(24", 120 MIL)	
T2	WHITE STOPBAR
T3	WHITE CROSSWALK LINE
THERMOPLASTIC(8", 120 MIL)	
T13	3 FT. - 9 FT./SP WHITE MINISKIP (8",120 MIL)
THERMOPLASTIC(8", 90 MIL)	
TN	WHITE GORELINE (8", 90 MIL)
TO	WHITE DIAGONAL (8", 90 MIL)
TR	WHITE SOLID LANE LINE(8", 120 MIL)
THERMOPLASTIC(4", 120 MIL)	
T8	2 FT. - 6 FT./SP WHITE MINISKIP
T9	2 FT. - 6 FT./SP YELLOW MINISKIP
TC	10 FT. WHITE SKIP
TD	3 FT. - 9 FT./SP WHITE MINISKIP
TE	WHITE SOLID LANE LINE
TI	YELLOW DOUBLE CENTER
THERMOPLASTIC(4", 90 MIL)	
TA	WHITE EDGELINE
TB	YELLOW EDGELINE
THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MIL)	
UI	ALPHANUMERIC CHAR.
THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MIL)	
UA	LEFT TURN ARROW
UB	RIGHT TURN ARROW
UC	STRAIGHT ARROW
UD	COMBO. STRAIGHT/LEFT
UT	U-TURN ARROW (90 MIL)
POLYUREA W/ HIGH RELFLECTIVE ELEMENTS (4", 90 MIL)	
VA	WHITE EDGELINE
VB	YELLOW EDGELINE
VC	10 FT. WHITE SKIP
SYMBOL	DESCRIPTION
MARKERS	
PERMANENT RAISED PAVEMENT MARKERS	
MB	CRYSTAL & RED
SNOWPLOWABLE RAISED PAVEMENT MARKERS	
MF	CRYSTAL & RED


INDEX

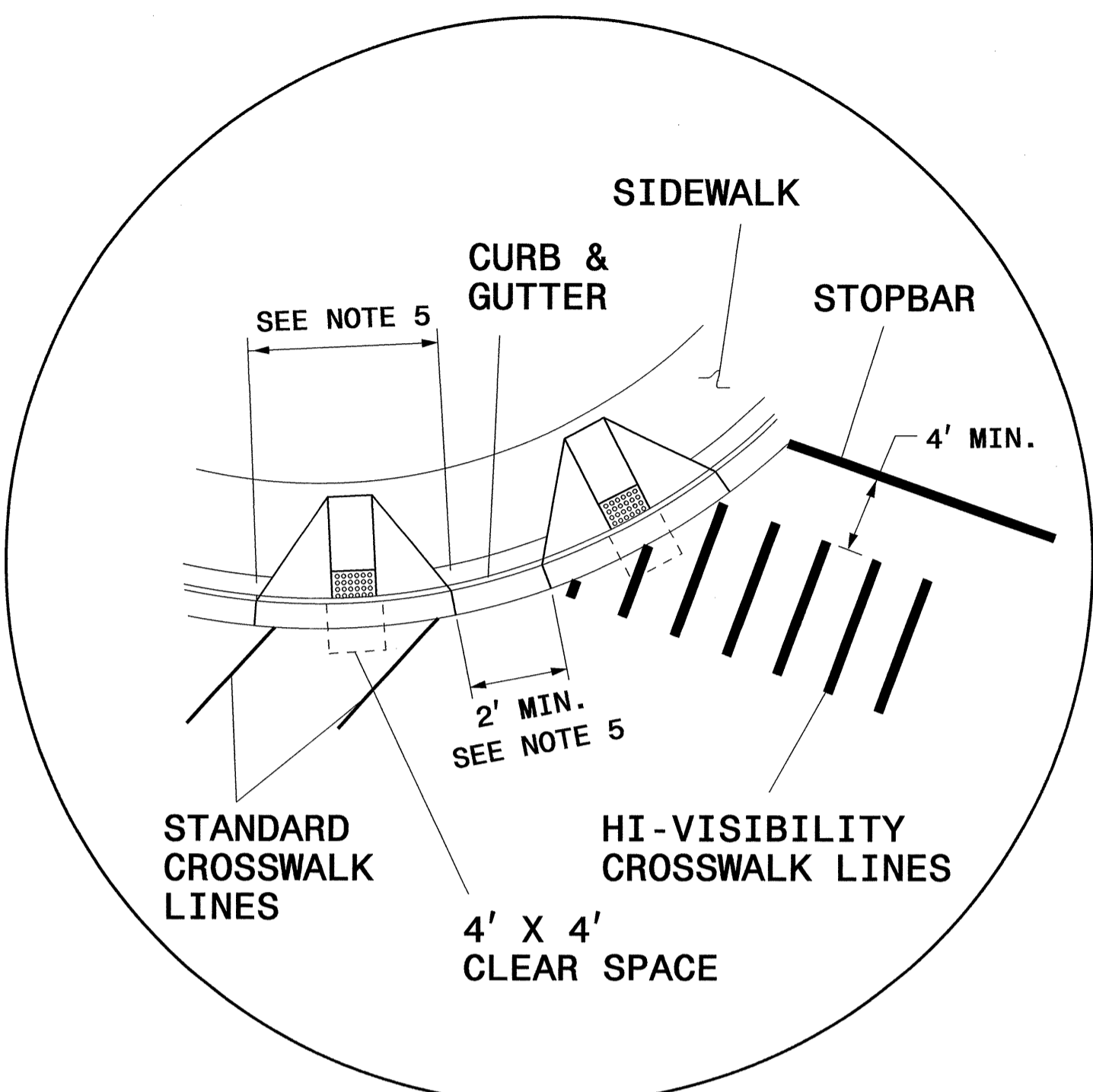
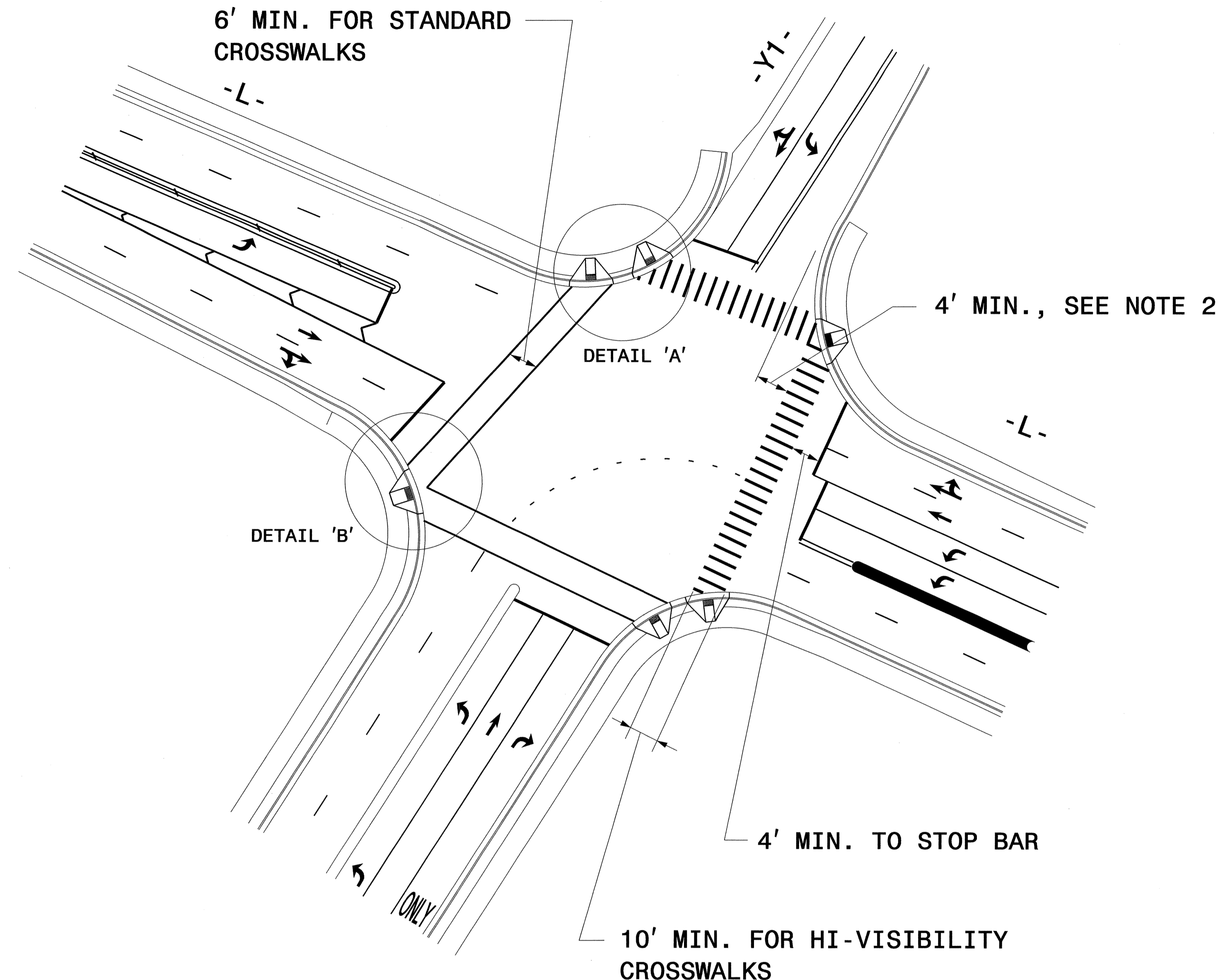
SHEET NO.	DESCRIPTION
PMP-1	FINAL PAVEMENT MARKING PLAN COVER SHEET
PMP-2	CROSSWALK AND STOP BAR PAVEMENT MARKING DETAIL
PMP-2A	SYMBOLS AND WORD MESSAGES
PMP-2B	REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING
PMP-3-20	FINAL PAVEMENT MARKING DETAIL STATIONS AND CALL OUTS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION SECTION

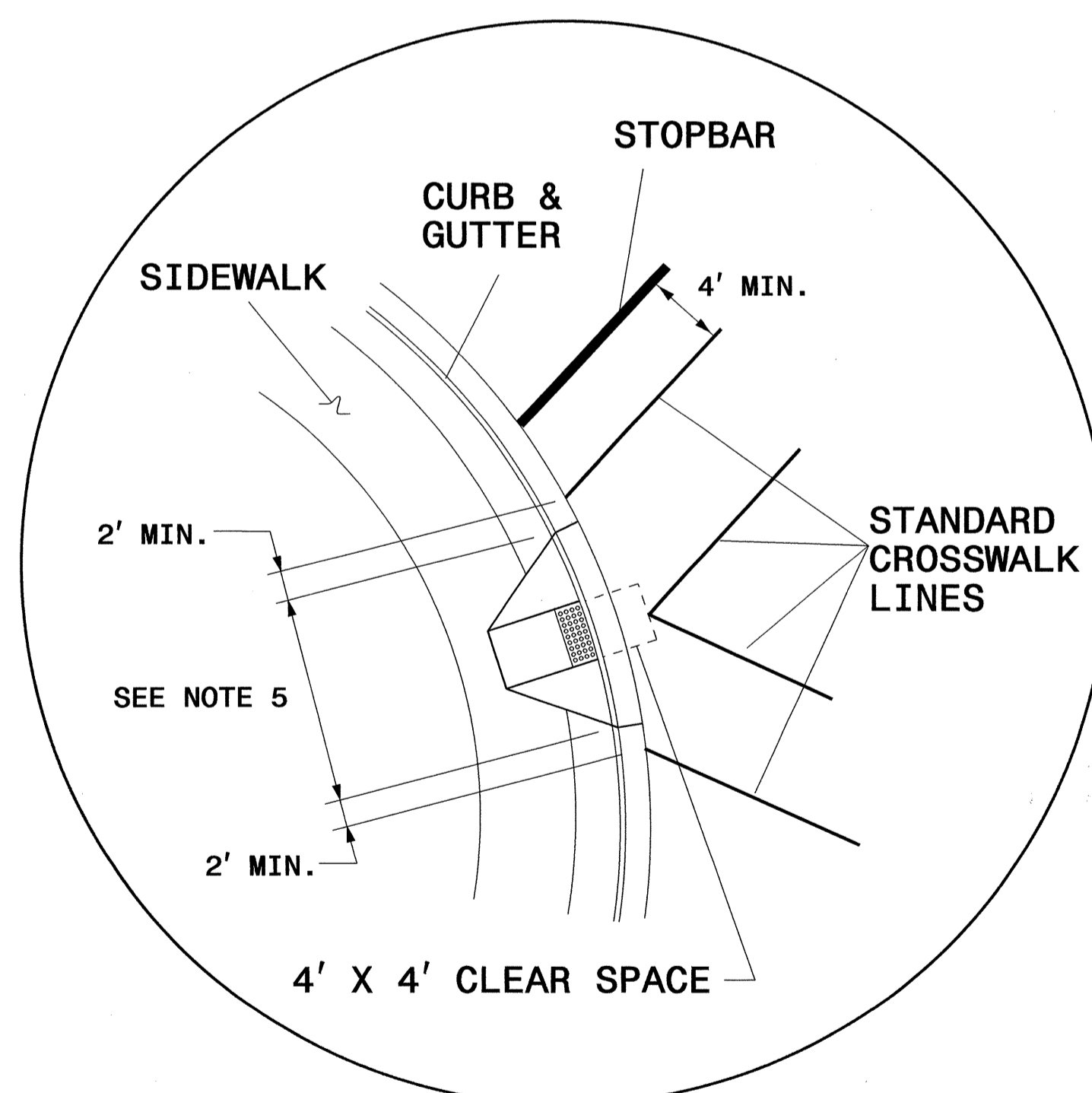
AYMAN I. ALQUDWAH P.E. SIGNING & DELINEATION REGIONAL ENGINEER

BARRY NOWLIN SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN

TIP NO. U-3810	SHEET NO. PMP-2
APPROVED: <i>[Signature]</i>	
DATE: 6/7/12	
SEAL	
	



DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP

GUIDANCE DETAIL FOR STANDARD AND HI-VISIBILITY CROSSWALKS AT SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTIONS

1. USE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALKS AND STOP BARS NOT STATIONED ON THE DETAIL SHEETS OR WHEN FIELD ADJUSTMENTS REQUIRED MOVING STATIONED MARKINGS AS DIRECTED BY THE ENGINEER. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
2. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
3. BEYOND THE CURB FACE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE CROSSWALK.
4. SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2 FEET LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.
5. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

CROSSWALK AND STOP BAR PAVEMENT MARKING DETAIL

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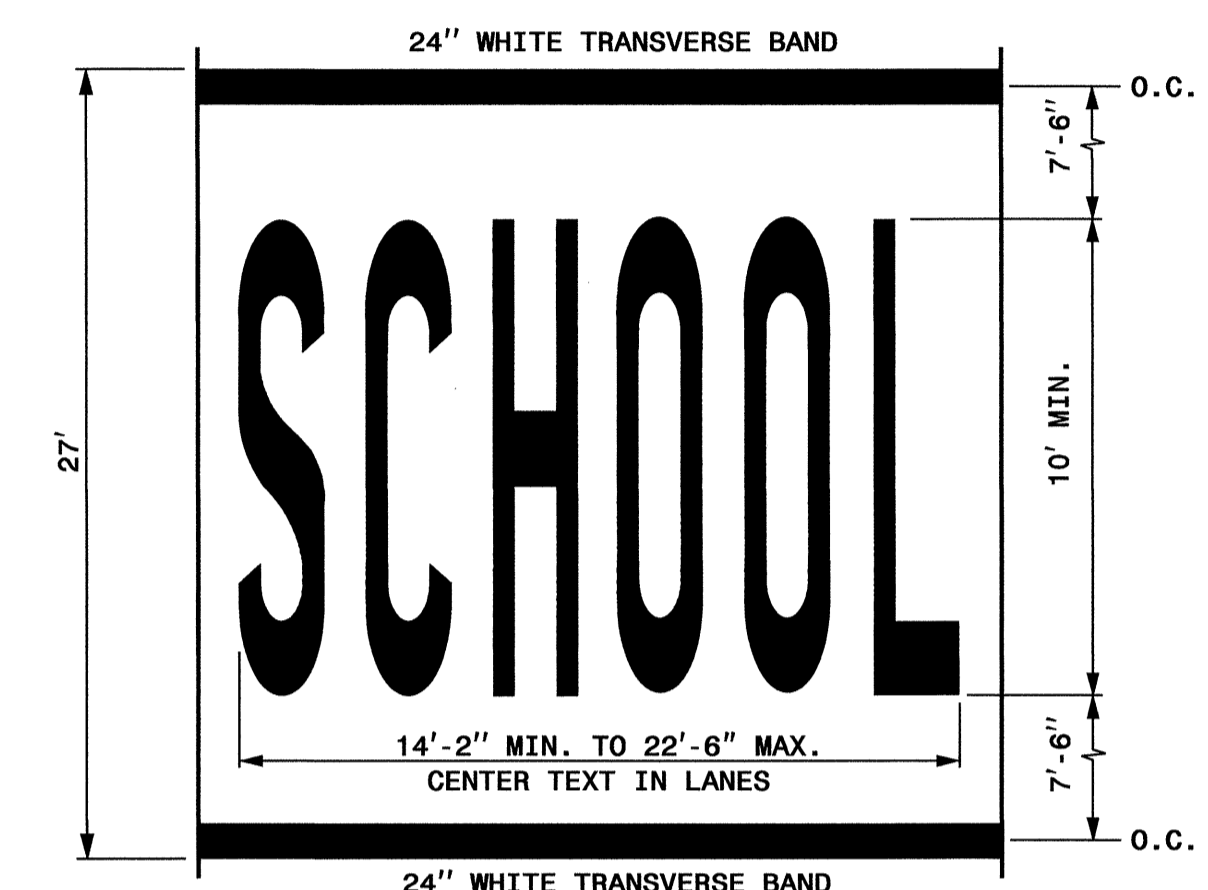
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APPROVED: <i>[Signature]</i>	
DATE: 6/7/12	
SEAL	

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

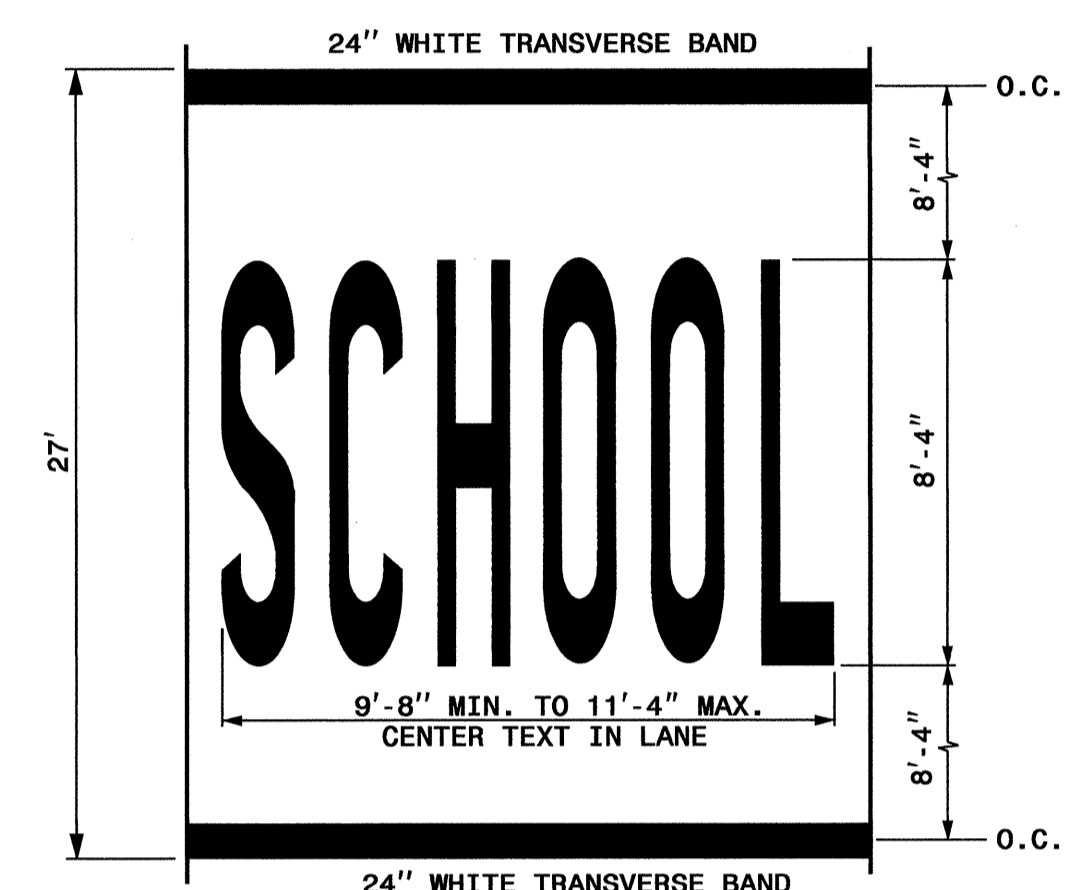
SHEET 3 OF 8
1205D08

MULTI-LANE WIDTH "SCHOOL"

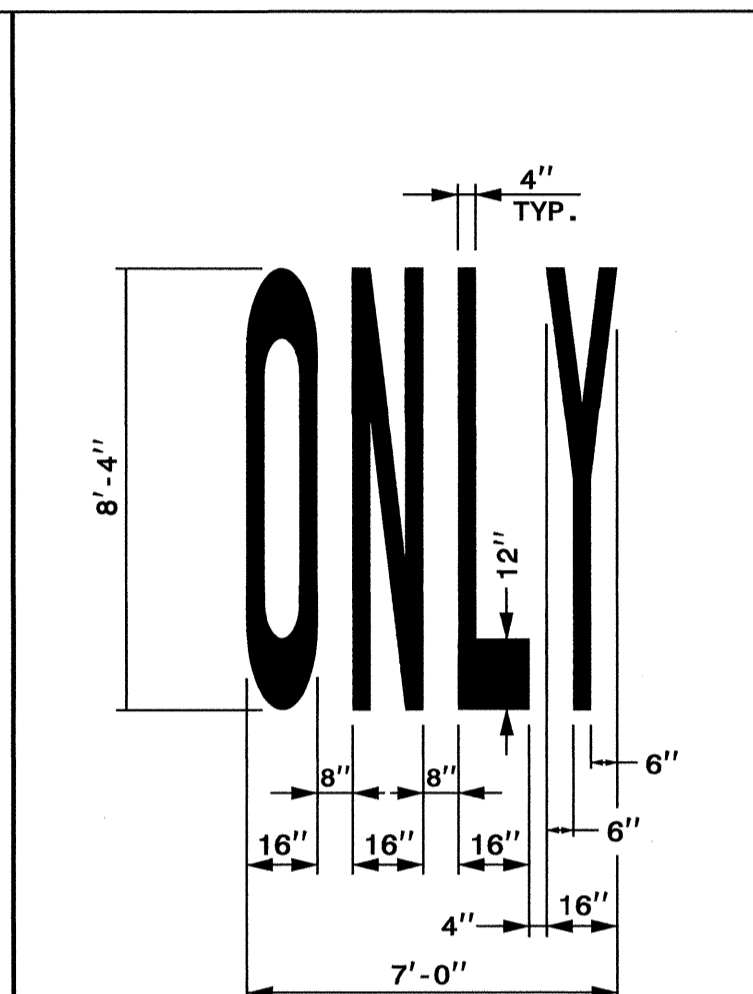


LETTER HEIGHT = 10' MIN.
LETTER WIDTH = 20"
SPACING = 10" MIN./30" MAX. (USE EQUAL SPACING BETWEEN LETTERS)
NOTE: THE TWO-LANE PAVEMENT MARKING DIMENSIONS OF "SCHOOL" SHOWN IN PART 7 OF THE MUTCD MAY ALSO BE USED.

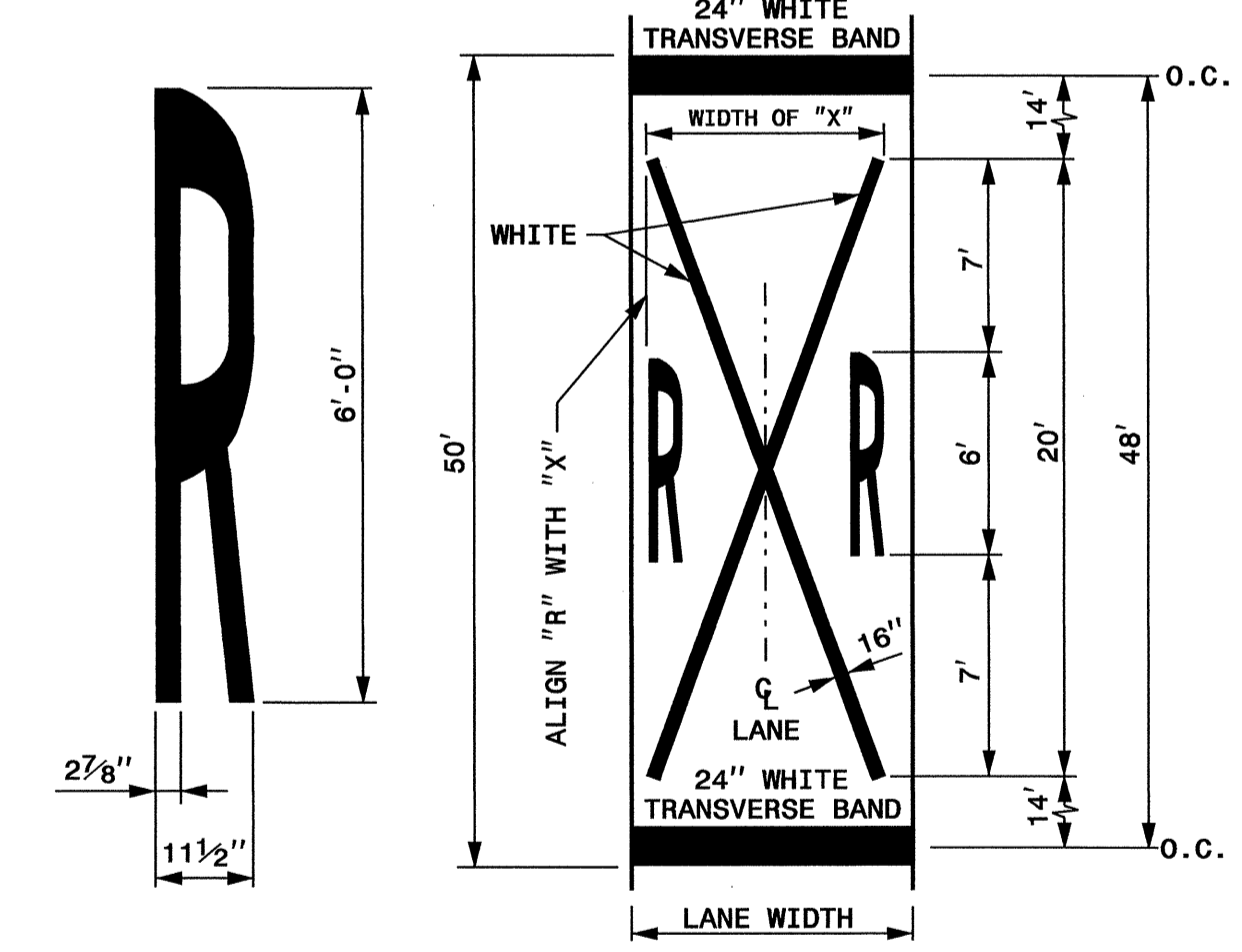
SINGLE LANE WIDTH "SCHOOL"



LETTER HEIGHT = 8'-4"
LETTER WIDTH = 16"
SPACING = 4" MIN./8" MAX. (USE EQUAL SPACING BETWEEN LETTERS)



RAILROAD RXR SYMBOL



LANE WIDTH (FEET)	WIDTH OF "X" (FEET)
8' ≤ W ≤ 9'	7'
9' < W ≤ 12'	8'
W > 12'	10'

GENERAL NOTES:


- 1- THE SCHOOL PAVEMENT MARKING CONSISTS OF SIX (6) CHARACTERS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.10 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.
- 2- PAVEMENT MARKING IN ADVANCE OF A HIGHWAY-RAIL CROSSING SHALL CONSIST OF TWO (2) CHARACTERS AND TWO (2) 16" LINES (FORMING AN X) WHICH ARE PAID FOR UNDER TWO SEPARATE PAY ITEMS. THE TWO (2) 24" TRANSVERSE BANDS WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. REFER TO ROADWAY STANDARD DRAWING 1205.11 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

SHEET 3 OF 8
1205D08

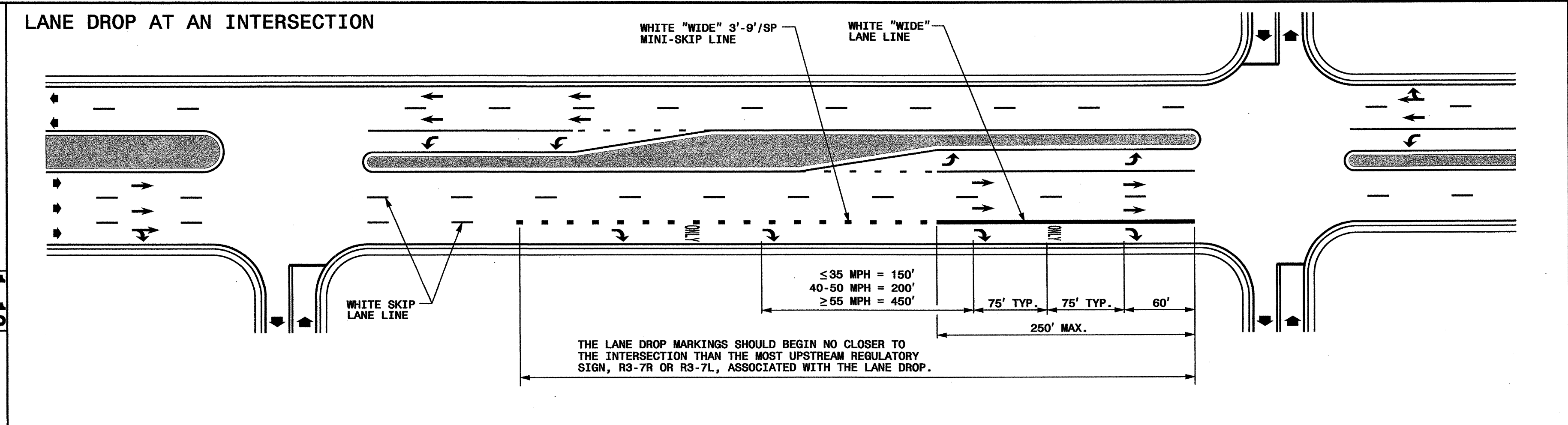
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

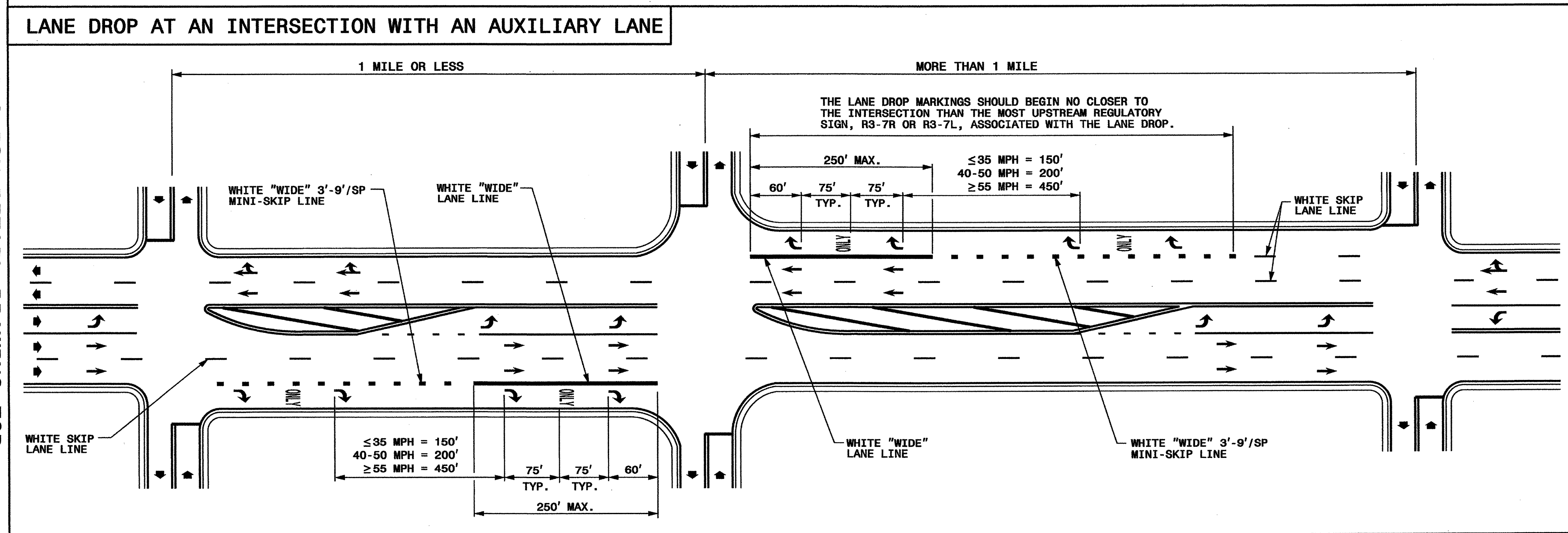
SYMBOLS AND WORD MESSAGES

TIP NO. U-3810	SHEET NO. PMP-2B
APPROVED: <i>RWT</i>	
DATE: 3/4/12	
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DIVISION OF HIGHWAYS
RALEIGH, N.C.





ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS



- GENERAL NOTES:**
- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH INTERSECTION GUIDANCE SHOWN ON ROADWAY STANDARD DRAWING 1205.04.
 - LANE LINES INDICATED AS "WIDE" SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.

LEGEND

W = WIDTH OF TRAVEL LANE		PAVEMENT MARKING SYMBOLS & CHARACTERS
	DIRECTION OF TRAFFIC FLOW	

SHEET 1 OF 3
1205D06

SHEET 1 OF 3
1205D06

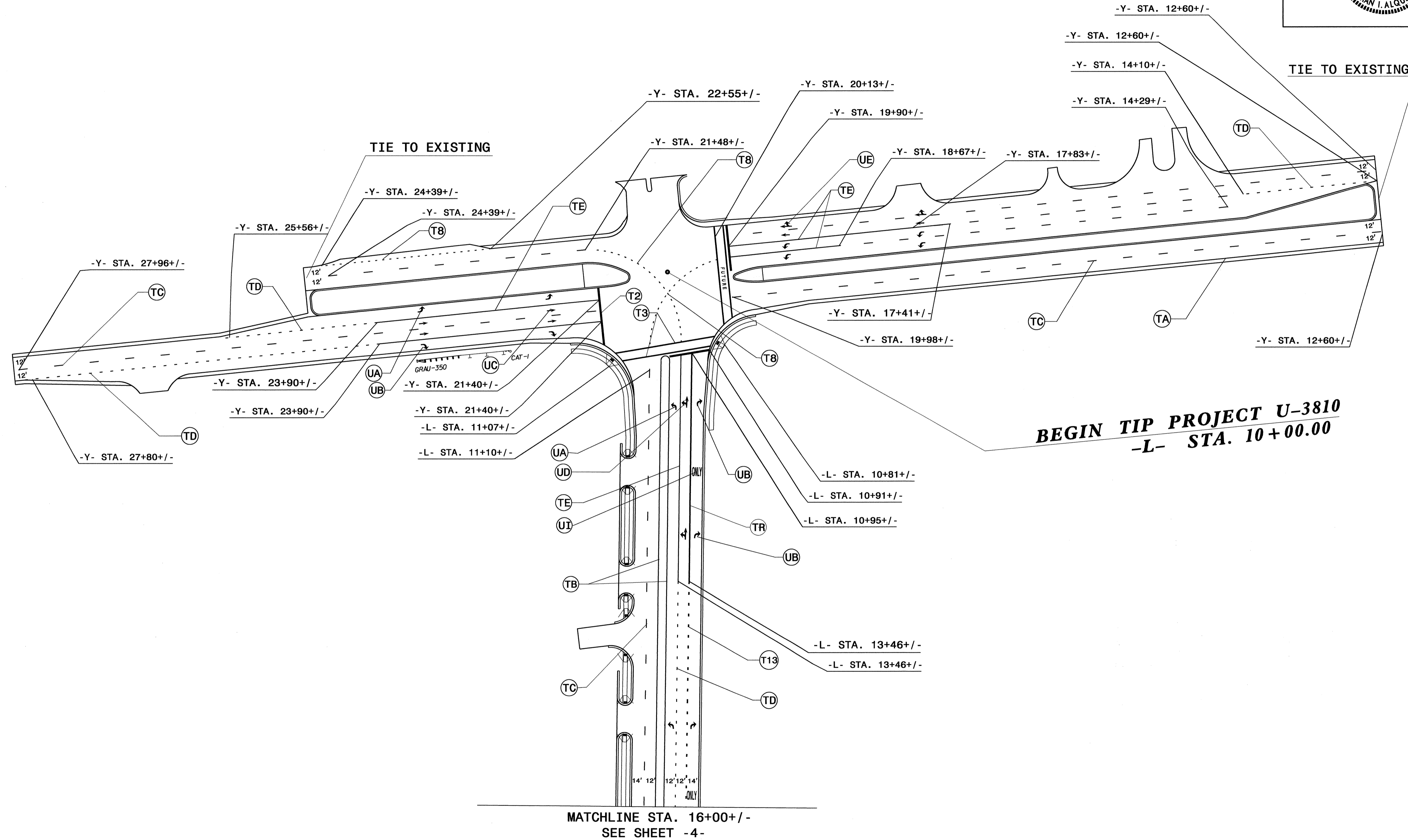
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
LANE DROPS

**REVISED PAVEMENT MARKING
ROADWAY STANDARD DRAWING**


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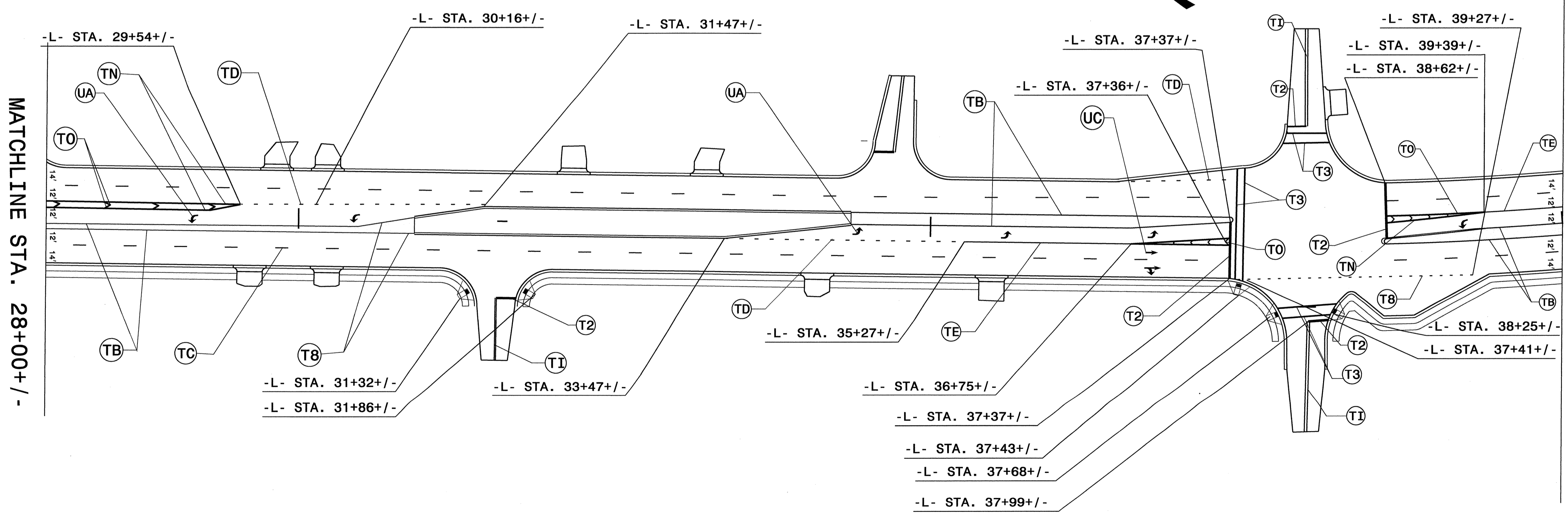
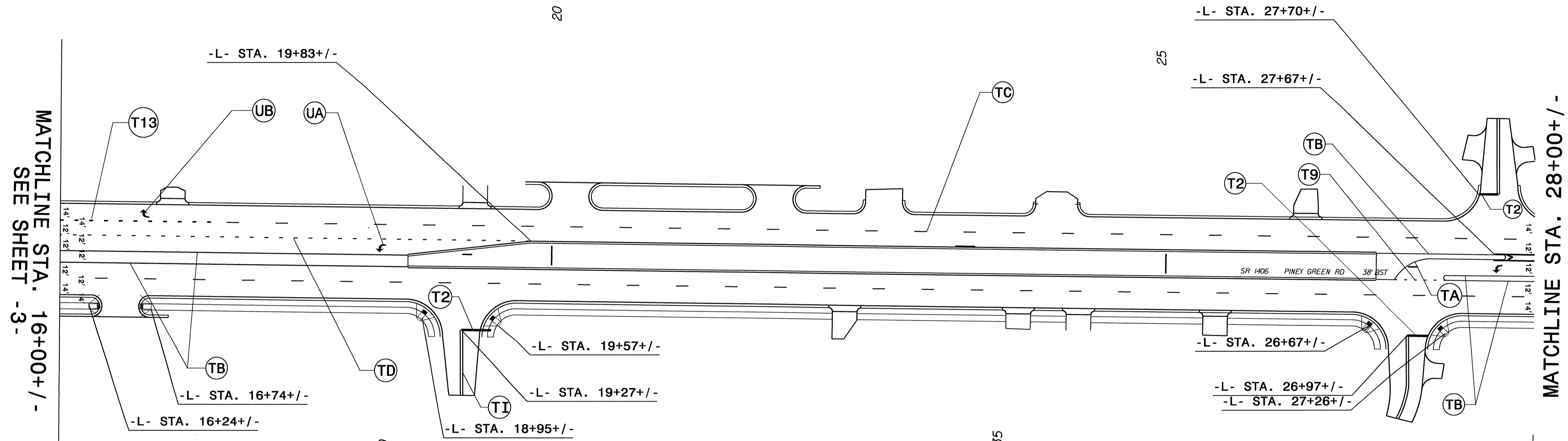
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DATE: 6/7/12	
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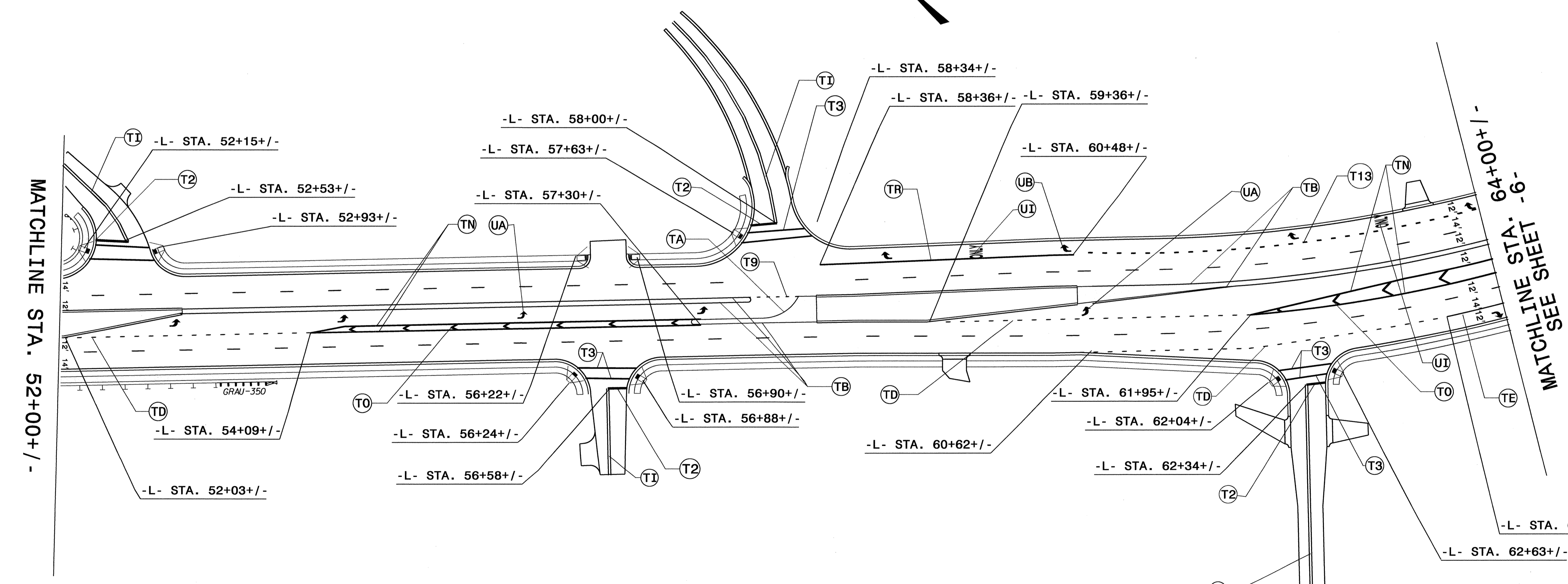
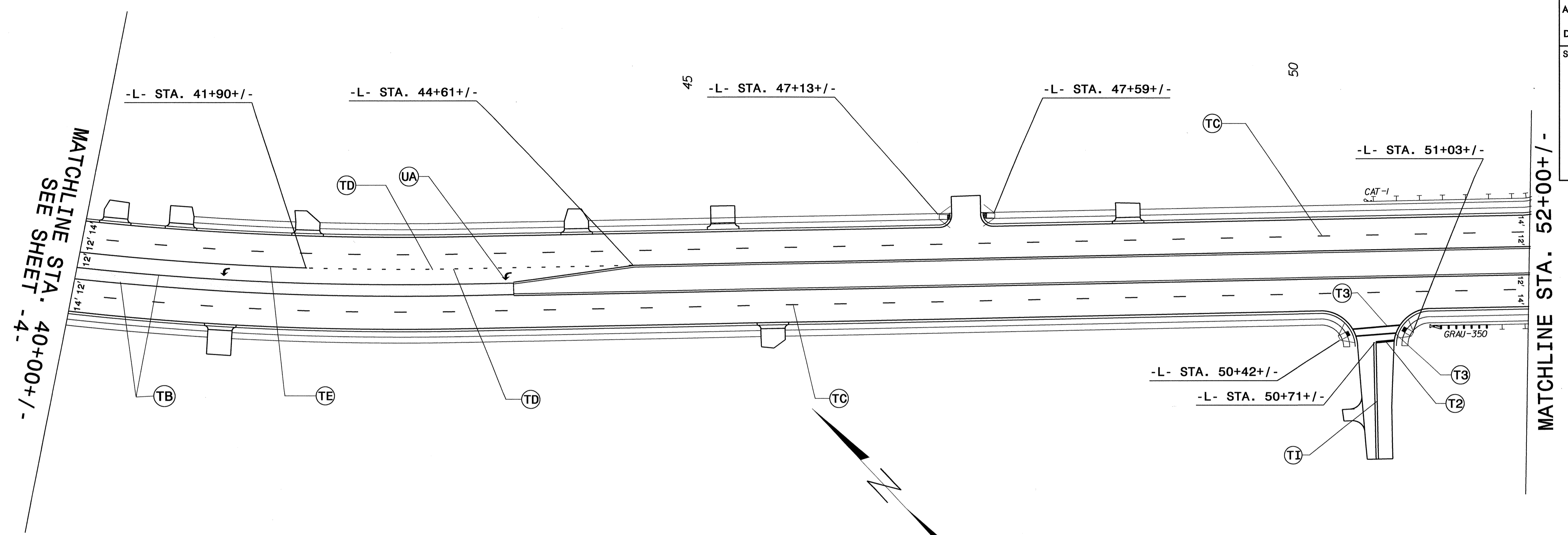
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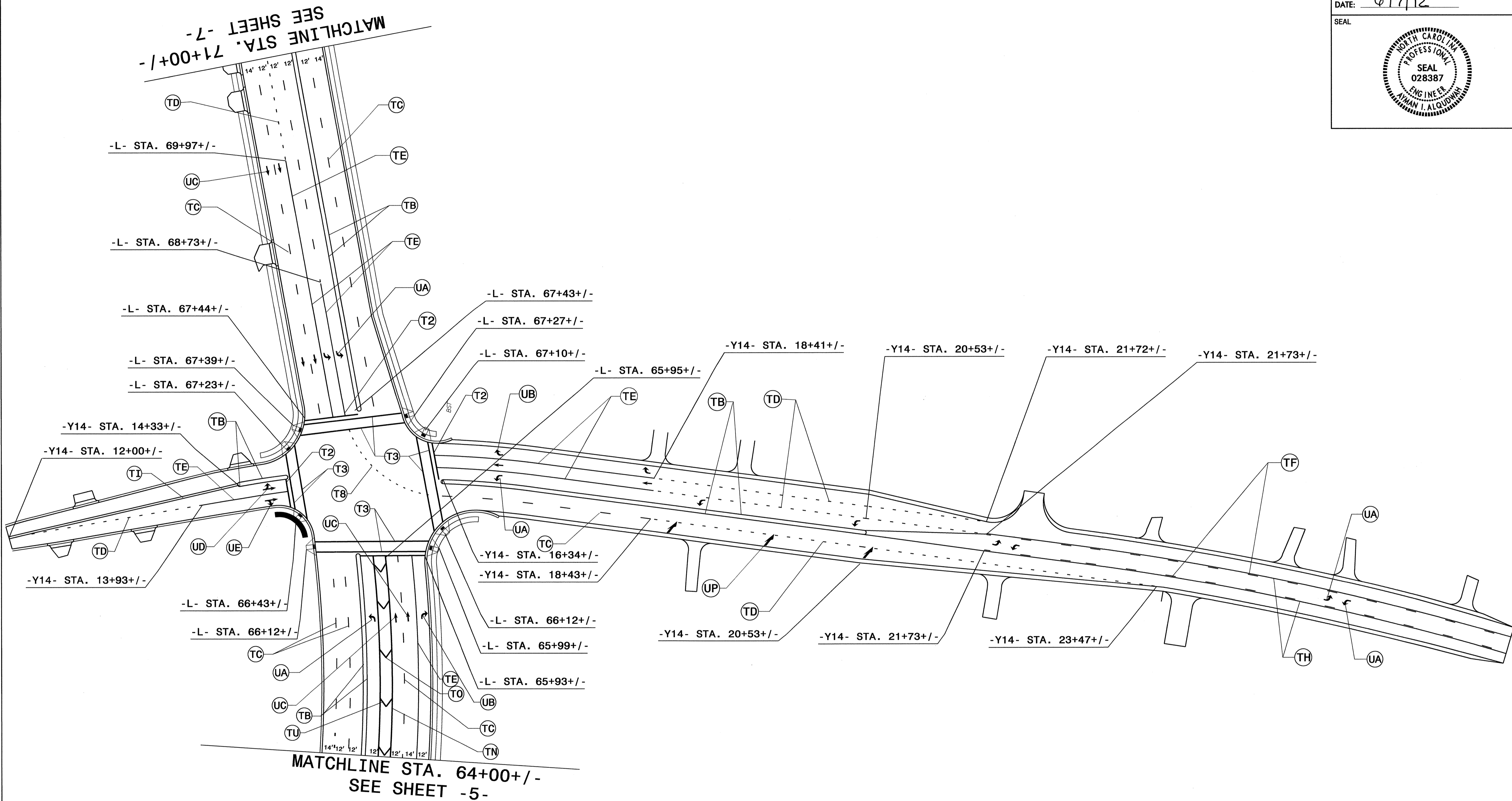
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DATE: 7/17/12	
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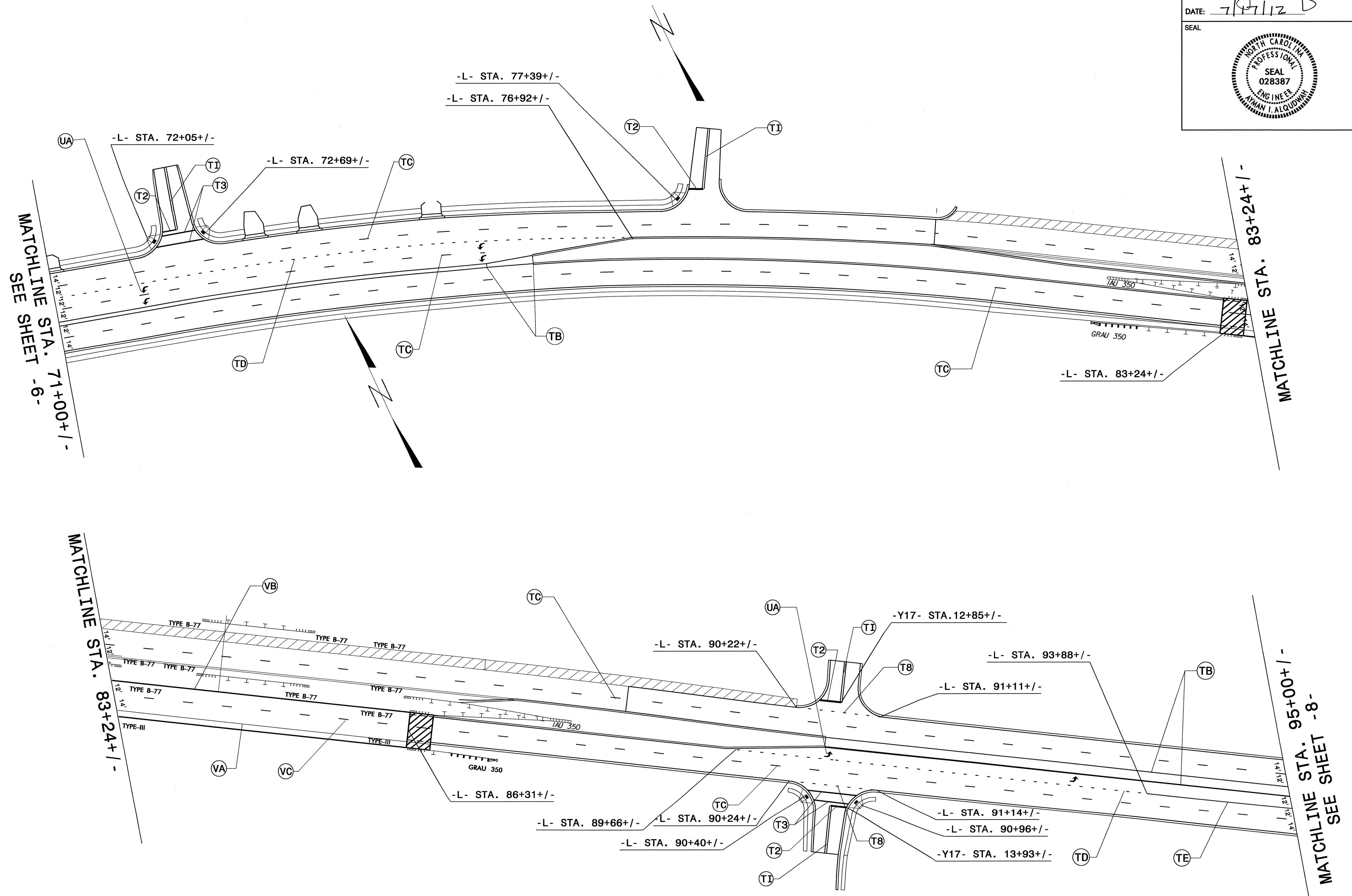
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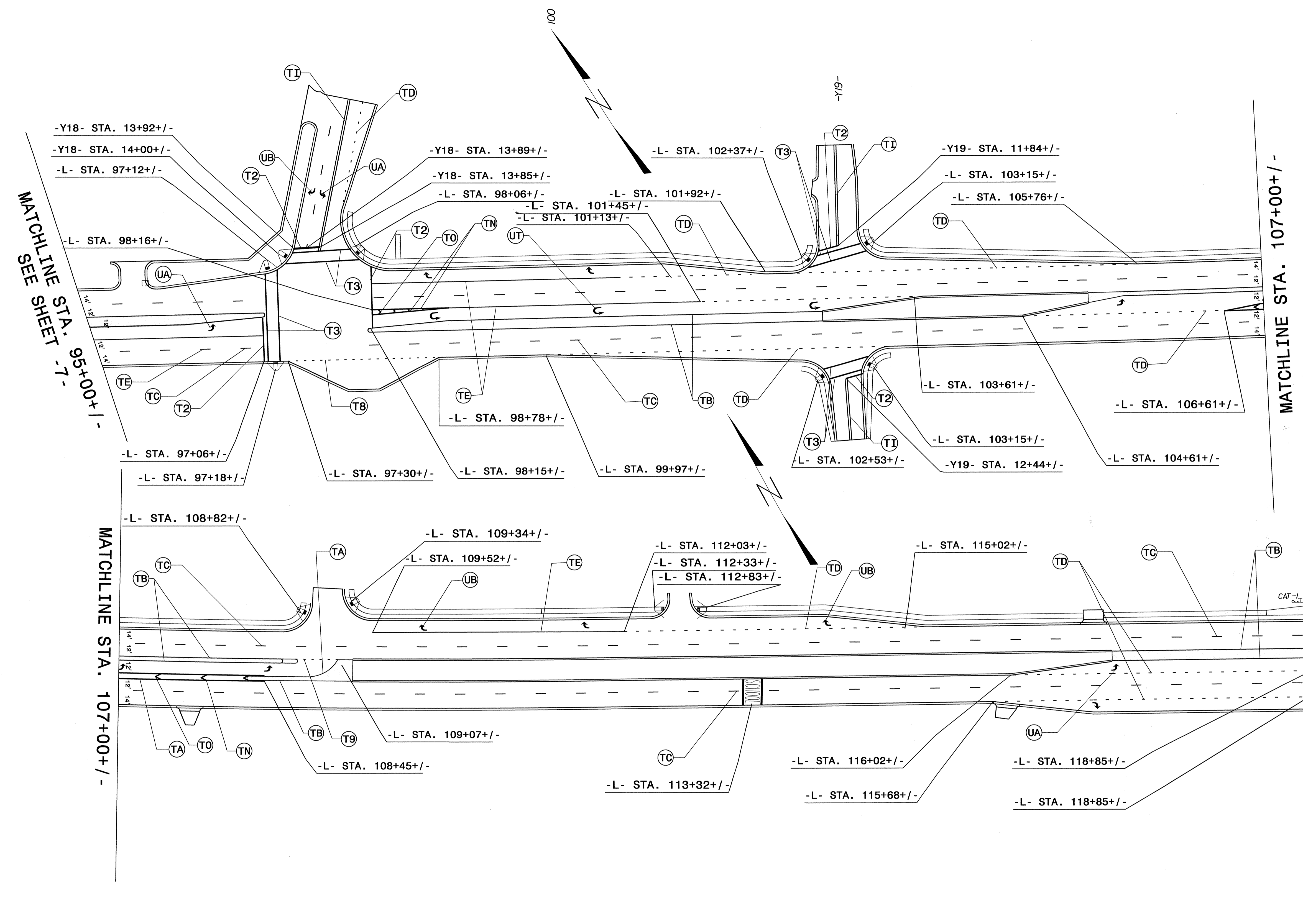
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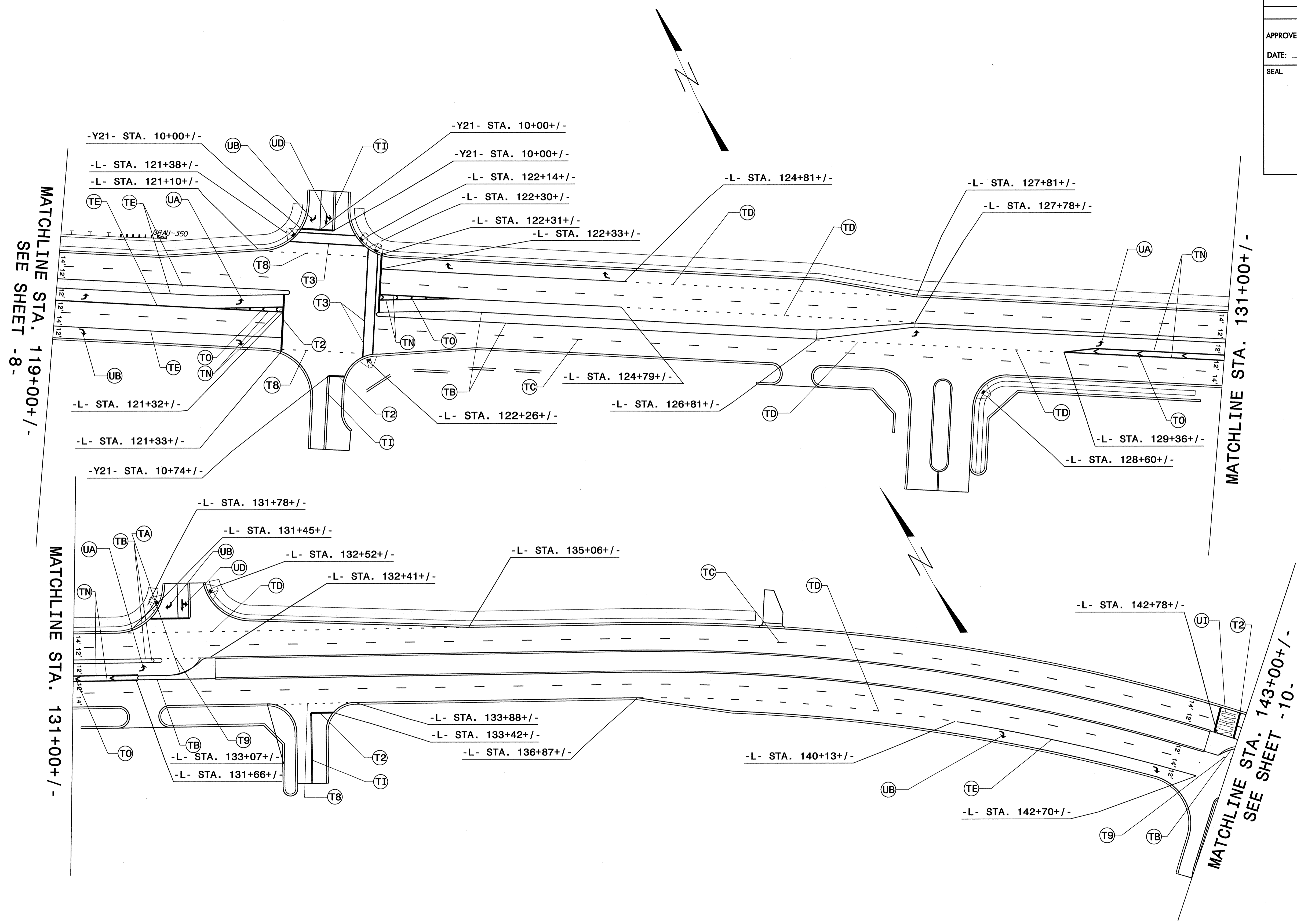
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SEAL	



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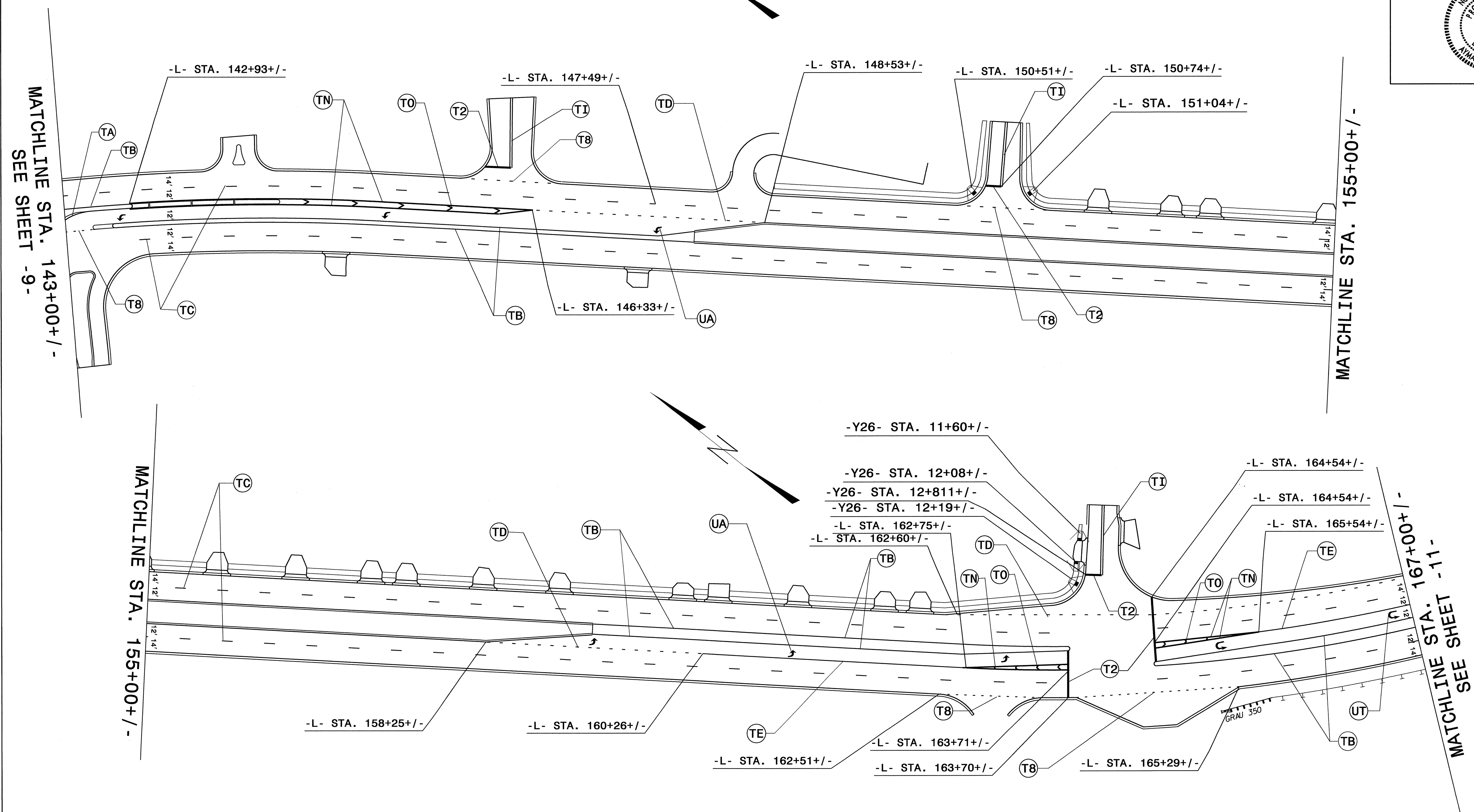
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DATE:	6/7/12
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SEE SHEET -9-

MATCHLINE STA. 155+00+/-

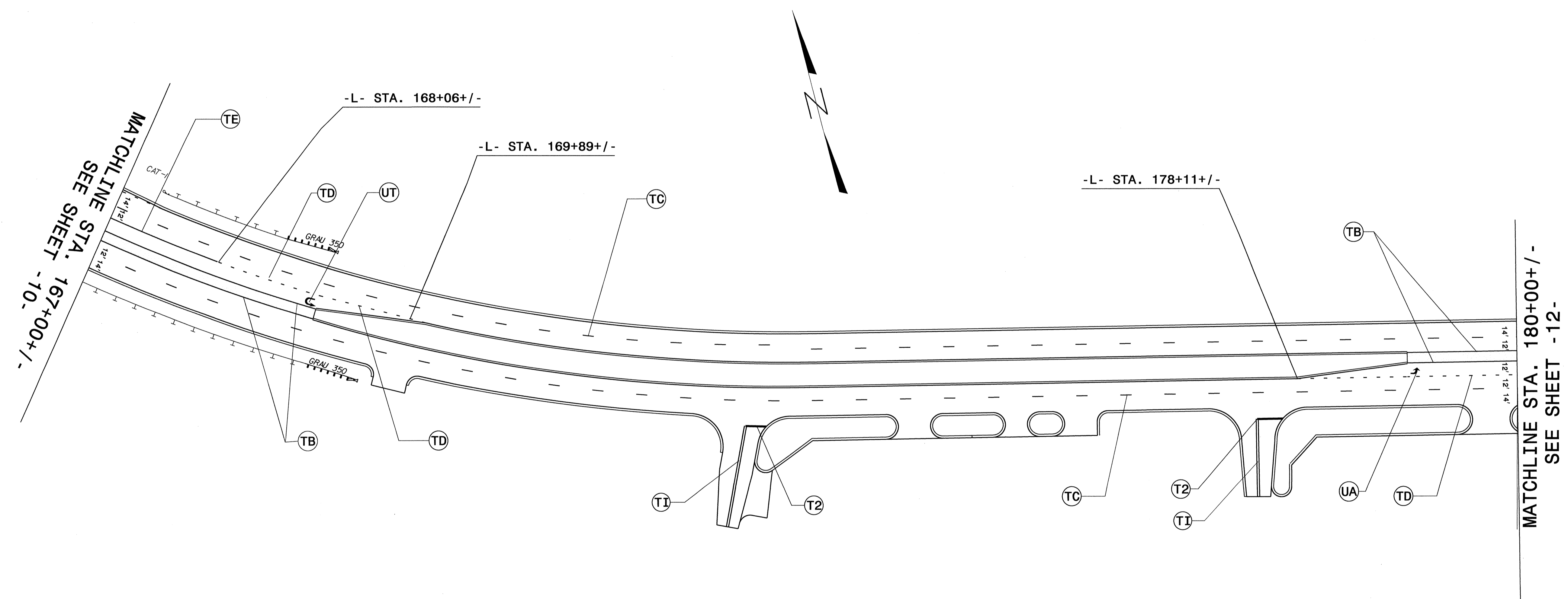
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MATCHLINE STA. 167+00+/-
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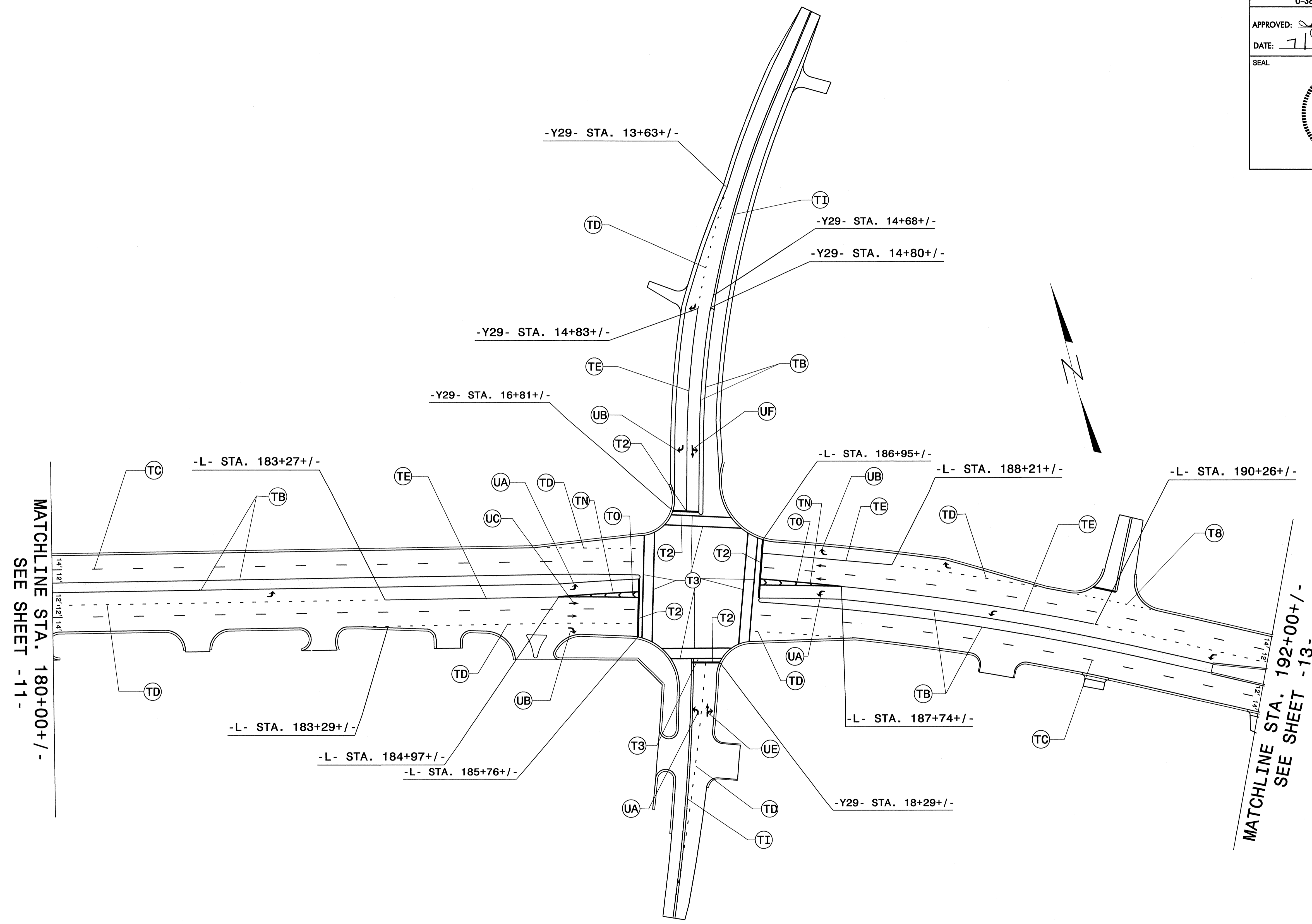
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U-3810	PMP-11
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DATE: 6/7/12	
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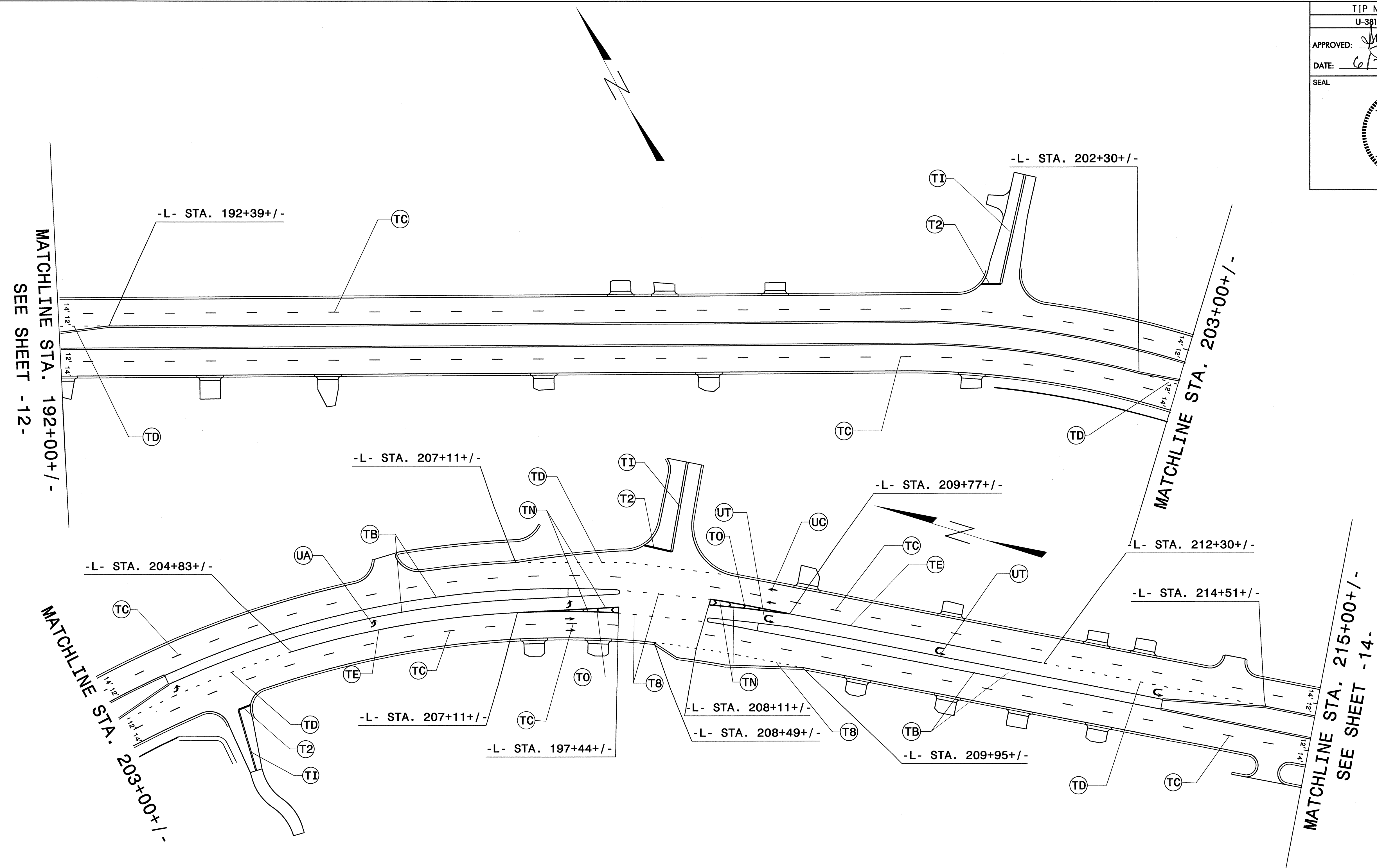
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APPROVED: <i>Amman Alquodhi</i>	
DATE: 7/17/12	
SEAL	
	



PAVEMENT MARKING DETAIL

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TIP NO.	SHEET NO.
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DATE: 6/7/12	
SEAL	



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SEE SHEET -12-


MATCHLINE STA. 203+00+/-

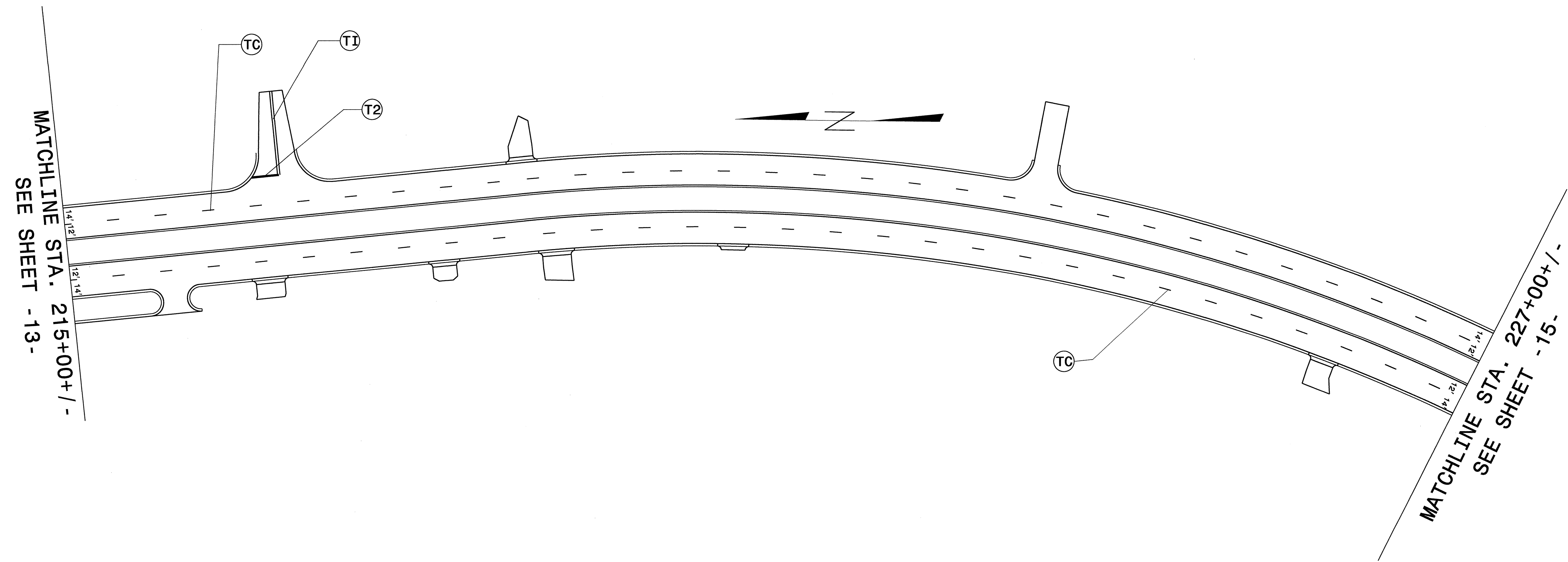
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MATCHLINE STA. 215+00+/-
SEE SHEET -14-

PAVEMENT MARKING DETAIL

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SEAL	
	

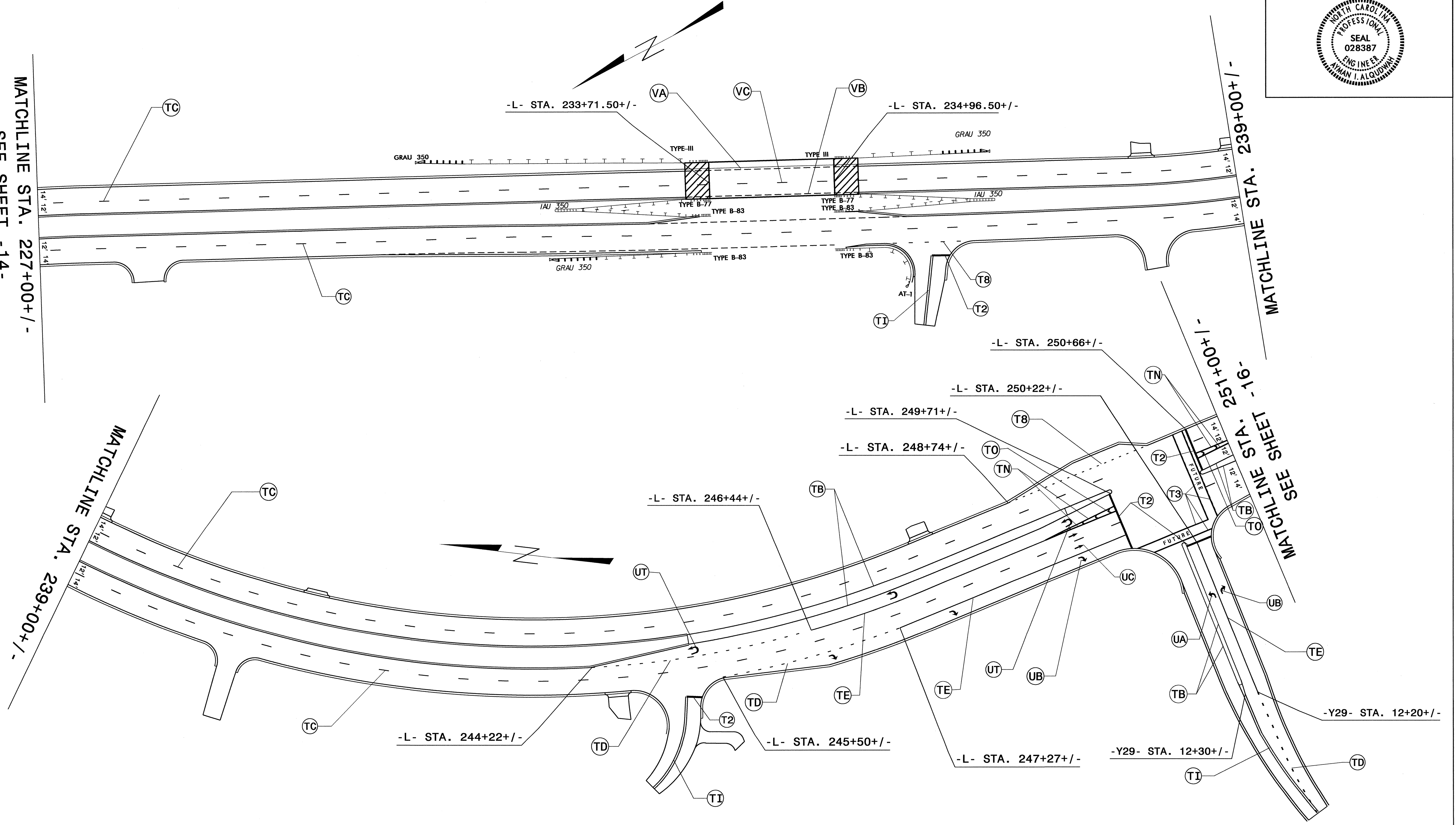


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DATE: 7/17/12	
SEAL	

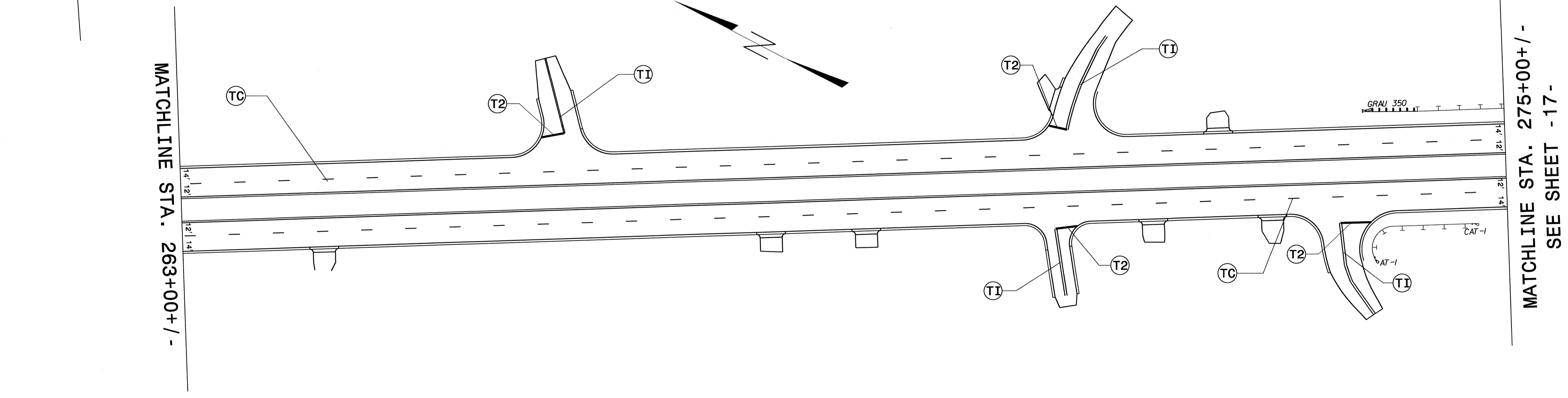
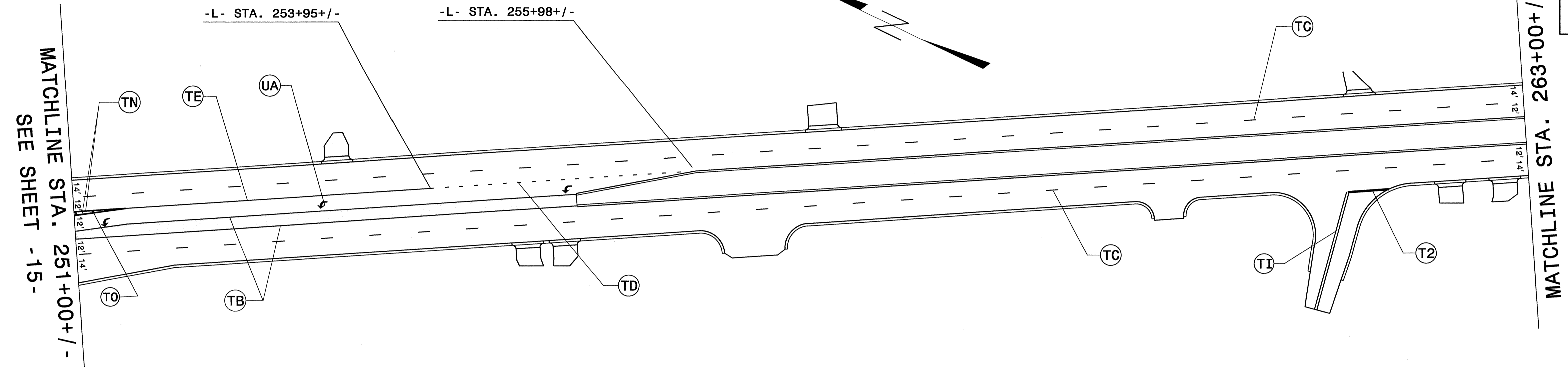
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SEE SHEET -14-



PAVEMENT MARKING DETAIL


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TIP NO. U-3810	SHEET NO. PMP-16
APPROVED: <i>[Signature]</i>	
DATE: 6/7/12	
SEAL	

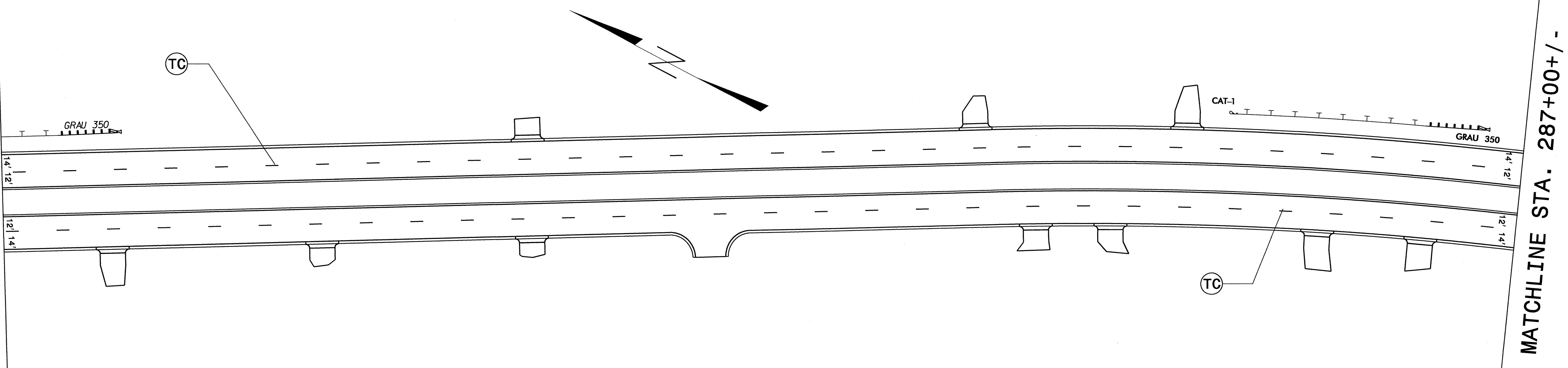


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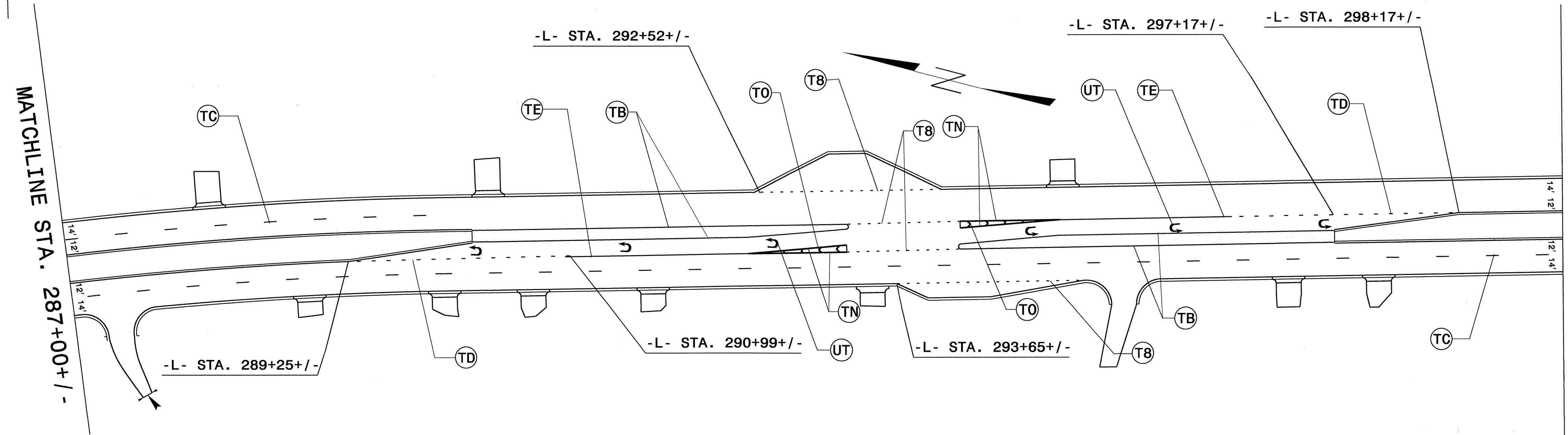
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APPROVED: <i>Amr Elgohary</i>	
DATE: 6/7/12	
SEAL	
	

MATCHLINE STA. 275+00+/-
SEE SHEET -16-



MATCHLINE STA. 287+00+/-



MATCHLINE STA. 287+00+/-

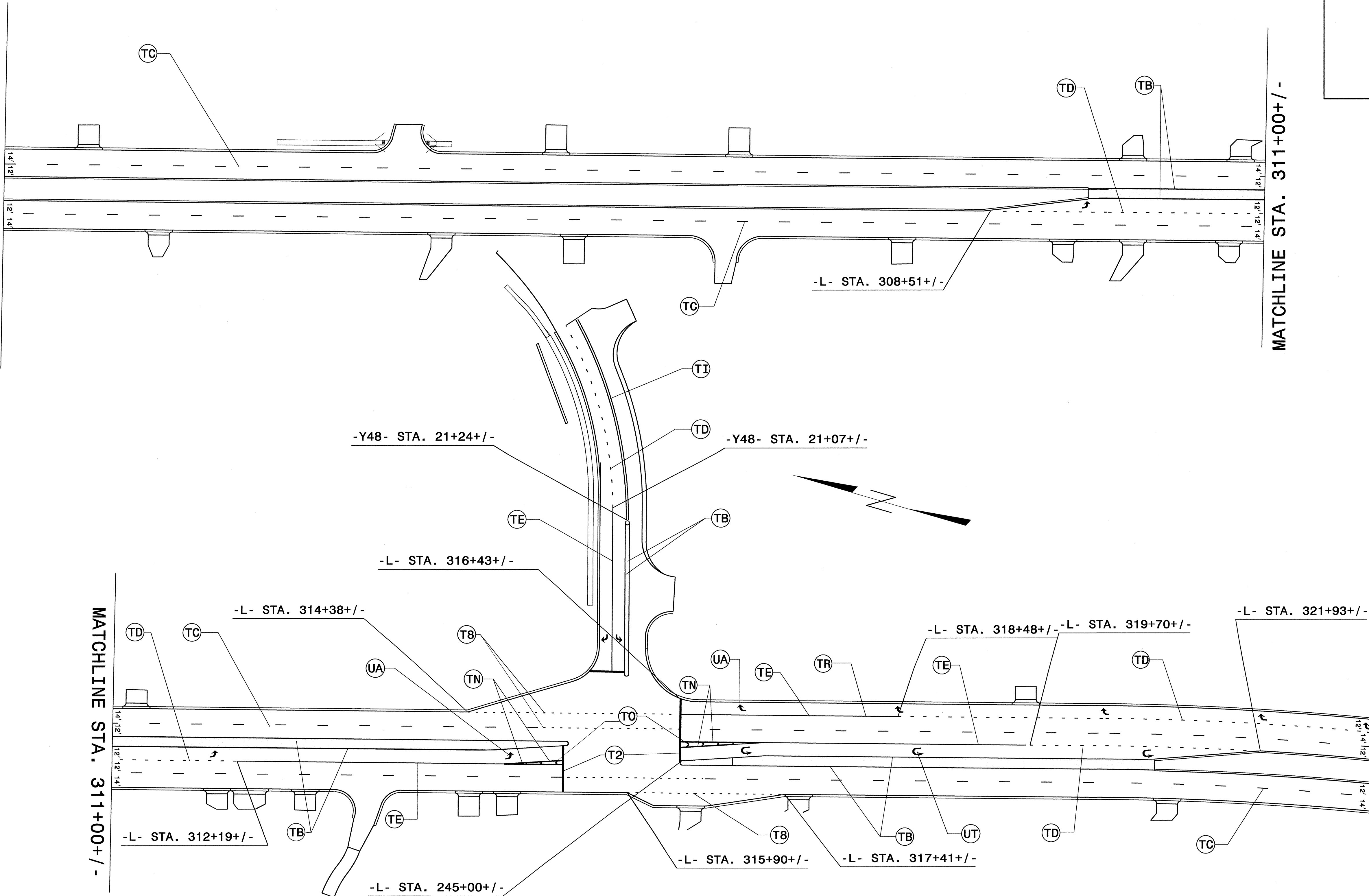
MATCHLINE STA. 299+00+/-
SEE SHEET -18-

PAVEMENT MARKING DETAIL

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TIP NO. U-3810	SHEET NO. PMP-18
APPROVED: <i>[Signature]</i>	
DATE: 7/18/12	
SEAL	

MATCHLINE STA. 299+00+/-
SEE SHEET -17-

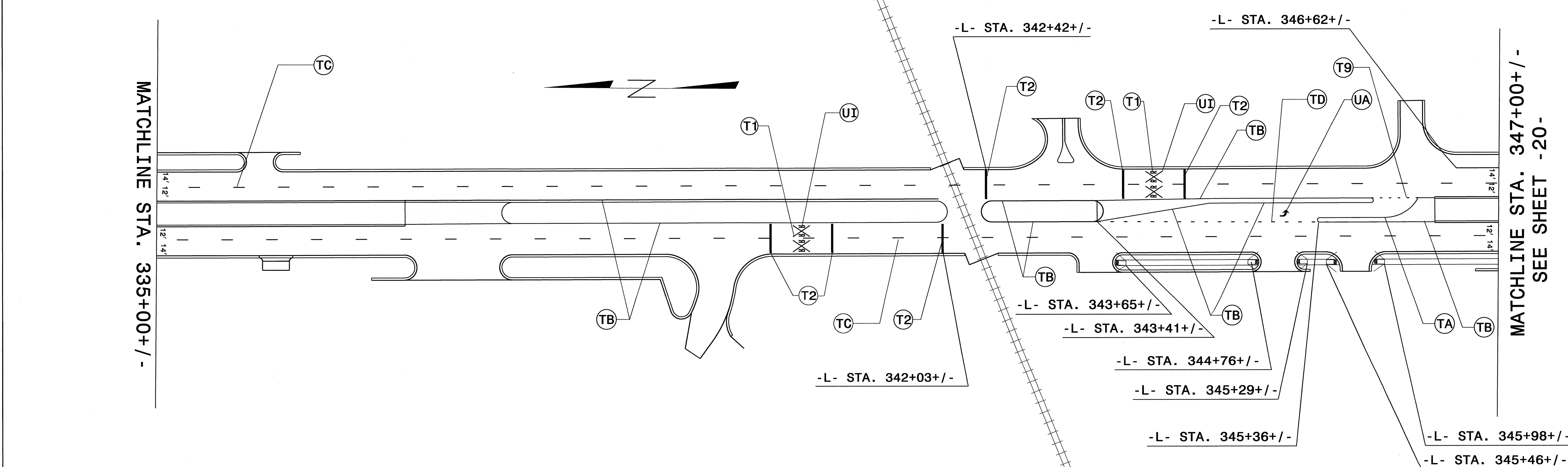
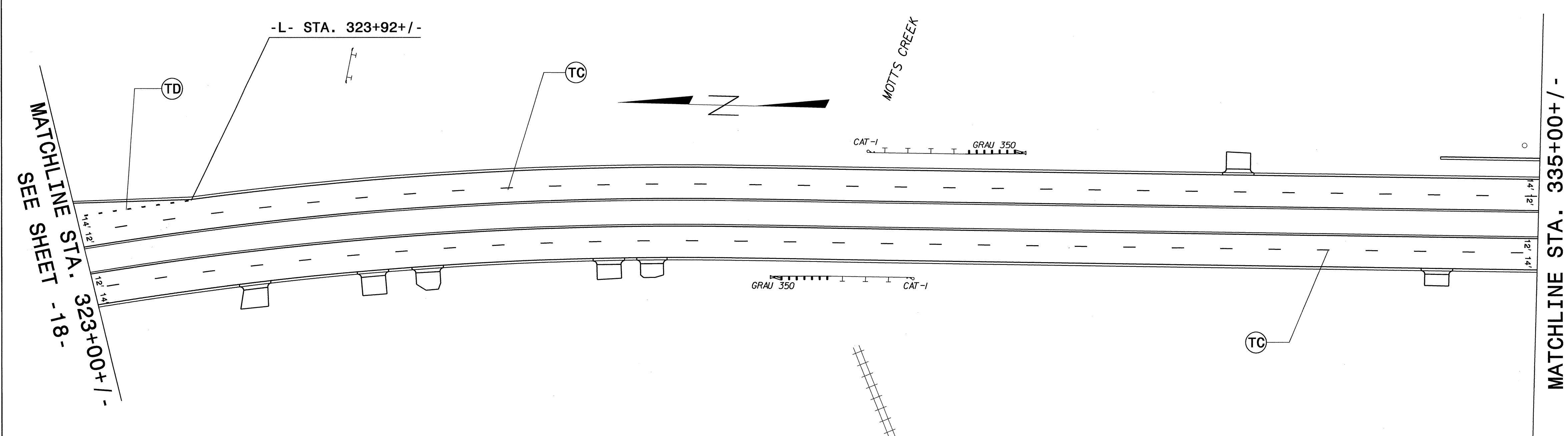


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SEE SHEET -19-

PAVEMENT MARKING DETAIL

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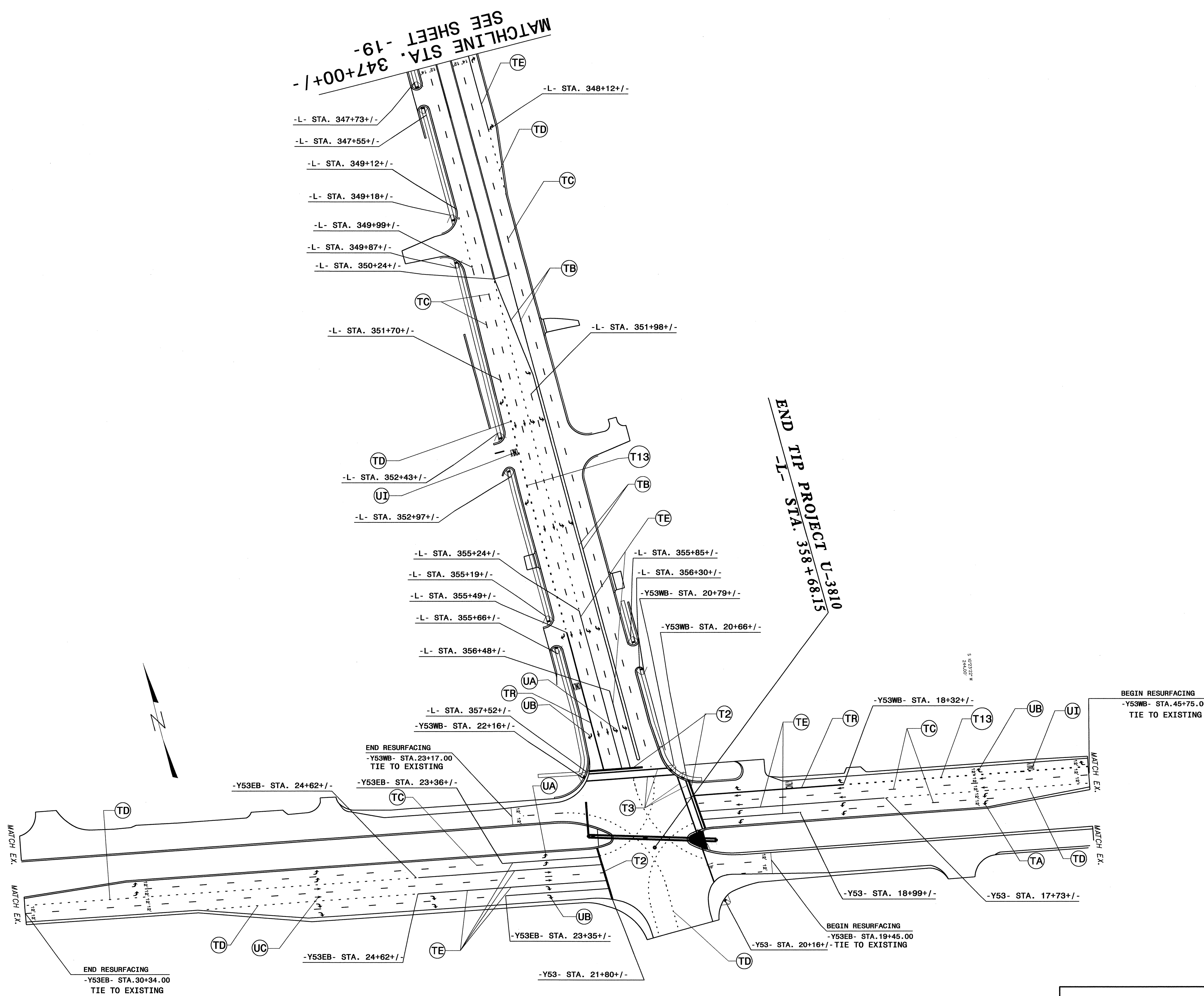
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DATE: 6/17/12	
SEAL	



PAVEMENT MARKING DETAIL

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TIP NO.	SHEET NO.
U-3810	PMP-20
APPROVED: <i>[Signature]</i>	
DATE: 6/7/12	
SEAL	



MATCHLINE STA. 347+00+/-
SEE SHEET -19-

END TIP PROJECT U-3810
-L- STA. 358+68.15

PAVEMENT MARKING DETAIL

06-JUN-2012 11:45
R:\Projects\1247315\1247315.dwg
Drawn by: A1 1247315